

(a) a nucleotide sequence encoding the amino acid sequence
[represented by] as depicted in SEQ ID NO: 1,

(b) the nucleotide sequence [represented by] as depicted
in SEQ ID NO: 2,

(c) a nucleotide sequence encoding the amino acid sequence
[represented by] as depicted in SEQ ID NO: 3,

(d) the nucleotide sequence [represented by] depicted by
the 236th to 2584th nucleotides in the nucleotide sequence
[represented by] as depicted in SEQ ID NO: 4,

(e) a nucleotide sequence encoding the amino acid sequence
[represented by] as depicted in SEQ ID NO: 5,

(f) the nucleotide sequence [represented by] depicted by
the 134th to 2467th nucleotides in the nucleotide sequence
[represented by] as depicted in SEQ ID NO: 6,

(g) a nucleotide sequence encoding the amino acid sequence
[represented by] as depicted in SEQ ID NO: 7, and

(h) the nucleotide sequence [represented by] depicted by
the 1st to the 1719th nucleotides in the nucleotide sequence
[represented by] as depicted in SEQ ID NO: 8,

under [stringent] conditions equivalent to 42°C to 68°C in a
buffer comprising 0.9M NaCl 0.09M citric acid, and encoding a

protein being capable of binding D-galactosyl group through the α (1 \rightarrow 6) bond to the hydroxyl group attached to the carbon atom at 6-position of the D-glucose residue in a sucrose molecule to form raffinose.

2. (Amended) [A] An isolated raffinose synthase gene comprising a nucleotide sequence encoding the amino acid sequence [represented by] as depicted in SEQ ID NO: 1.

3. (Amended) [A] An isolated raffinose synthase gene comprising the nucleotide sequence [represented by] as depicted in SEQ ID NO: 2.

4. (Amended) [A] An isolated raffinose synthase gene comprising a nucleotide sequence encoding the amino acid sequence [represented by] as depicted in SEQ ID NO: 3.

5. (Amended) [A] An isolated raffinose synthase gene comprising the nucleotide sequence [represented by] depicted by the 236th to 2584th nucleotides in the nucleotide sequence [represented by] as depicted in SEQ ID NO: 4.

6. (Amended) [A] An isolated raffinose synthase gene comprising a nucleotide sequence encoding the amino acid sequence [represented by] as depicted in SEQ ID NO: 5.

7. (Amended) [A] An isolated raffinose synthase gene comprising the nucleotide sequence [represented by] depicted by the 134th to 2467th nucleotides in the nucleotide sequence [represented by] as depicted in SEQ ID NO: 6.

8. (Amended) [A] An isolated raffinose synthase gene comprising a nucleotide sequence encoding the amino acid sequence [represented by] as depicted in SEQ ID NO: 7.

9. (Amended) [A] An isolated raffinose synthase gene comprising the nucleotide sequence [represented by] depicted by the 1st to 1719th nucleotides in the nucleotide sequence [represented by] as depicted in SEQ ID NO: 8.

C1
C2
10 (Amended) [A] An isolated raffinose synthase gene
comprising the nucleotide sequence [represented by] as depicted
in SEQ ID NO: 4, SEQ ID NO: 6, or SEQ ID NO: 8.

C2
16. (Twice Amended) [A] An isolated nucleic acid
comprising a nucleic acid [containing the raffinose synthase
gene] of claim 1, which is joined to a [nucleic acid exhibiting
promoter activity in a host cell] promoter.

C3
21. (Twice Amended) The transformant of claim 18,
wherein the host cell is a microorganism.

22. (Twice Amended) The transformant of claim 18,
wherein the host cell is a plant cell.

Please add the following claims:

C4
--28. The nucleic acid of claim 16, wherein said promoter
is effective in a plant cell.

29. The nucleic acid of claim 16, wherein said promoter is
effective in a yeast cell.